

**CLAIMS**

Therefore, having thus described the invention, at least the following is claimed:

- 1       1.     A facet fusion system for fusing a facet joint comprising:  
2             a trochar arranged and configured for use during percutaneous retraction;  
3             a retractor arranged and configured for use during percutaneous retraction; and  
4             a facet bur arranged and configured for decorticating the facet joint;  
5             wherein said trochar, said retractor, and said facet bur are implemented to prepare  
6     the facet joint for fusion.
  
- 1       2.     The facet fusion system of claim 1, wherein said facet bur further comprises:  
2             a head having a planar and an extension extending from said planar; and  
3             a shaft extending from said planar of said head, said shaft extending from said  
4     planar in a direction opposing said extension of said head, said shaft being arranged and  
5     configured to engage a source of rotation power for said rotation portion;  
6             wherein said extension is arranged and configured to engage a facet joint to taper  
7     said facet joint and said planar is arranged and configured to engage and plane a posterior  
8     surface of the facet.
  
- 1       3.     The facet fusion system of claim 2, further comprising:  
2             a facet sizer arranged and configured to aid in the determination of an appropriate  
3     size implant to be inserted into the facet joint to facilitate fusion.

1        4.        The facet fusion system of claim 3, wherein said facet sizer comprises:  
2                a body portion; and  
3                a handle extending from said body portion;  
4                wherein said body portion is arranged and configured to aid in the determination  
5        of an appropriate size implant to be inserted into the facet joint to facilitate fusion.

1        5.        A facet fusion system of claim 1, further comprising:  
2                an implant arranged and configured to facilitate fusion of the facet joint.

1        6.        A facet fusion system of claim 5, further comprising:  
2                staple means for fixing said implant in position in the facet joint;  
3                wherein said staple means facilitates fusion of the facet joint with said implant.

- 1        7.     A facet fusion system for fusing a facet joint comprising:  
2               retraction means for performing percutaneous retraction; and  
3               decorticating means for decorticating the facet joint.
- 1        8.     A facet fusion system of claim 7, wherein said decorticating means further  
2               comprises:  
3               taper means for tapering the facet joint;  
4               planing means for planing a portion of the facet joint; and  
5               support means for supporting and rotating said decorticating means and said  
6               planing means.
- 1        9.     The facet fusion system of claim 7, further comprising:  
2               fusion means for facilitating fusion of the facet joint.
- 1        10.    The facet fusion system of claim 9, further comprising:  
2               sizing means for determining appropriate dimensions of said fusion means.